**Business Desktop**

22" | 23" | 24" | 27" | 29"

# NEC MultiSync® EA Series

*High-performance, LED-backlit LCD displays ideal for corporate environments*

**Reimagine your desktop computing experience.** With its next generation MultiSync EA Series, NEC has developed monitor solutions that push the boundaries of what you've come to know as business-grade screen performance. The 22" MultiSync EA224WMi, 22" EA223WM, 23" EA234WMi, 24" EA243WM and EA244WMi, 27" EA273WM, and 29" EA294WMi deliver a completely redesigned chassis with a host of enhanced features, advanced technologies, future-proof connectivity and environmentally friendly benefits. Select models tout an IPS module, which boasts the best possible color accuracy and minimal viewing angle shift.

These models boast LED backlight technology, which not only reduces power by up to 52% compared to their predecessors, but leads to a 30% thinner and 25% lighter chassis. Other green features include ECO Mode™, a carbon footprint meter and an ambient light sensor, which automatically adjusts the brightness to the optimal setting depending on ambient lighting, screen content or both, conserving power up to 87% compared to typical energy consumption. In addition, the human sensor detects user activity in front of the monitor and reduces display power up to 95% with inactivity.

The ground breaking ControlSync™ feature allows users to control up to six next-generation MultiSync EA Series units in a multi-monitor configuration. Upon establishing one unit as the master, you will be able to simultaneously control many performance attributes of the multi-monitor setup through the master monitor.

## Highlights

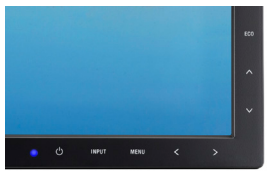
- **LED backlight technology** provides for industry-leading low power consumption and less hazardous materials
- **iF Product Design Award for 2012** bestowed upon the 27" MultiSync EA273WM
- **Four-way ergonomic stand** boasts pivot, tilt, swivel and height adjustment up to 130mm to maximize your viewing comfort
- **Touch-sensitive OSD® controls** are integrated into the bezel, making display adjustments easier than ever
- **Integrated 4-port USB 2.0 hub** easily connects you to your peripherals
- **Comprehensive input panel**, including DisplayPort, HDMI, DVI-D and 15-pin VGA, connects you to the latest peripherals and future-proofs your investment
- **Space saving, multimedia speakers**, which enhance your computing experience, are hidden to maintain the monitor's aesthetic appeal (headphone jack also included)
- **ControlSync** enables multi-monitor setups of up to six monitors and controls up to 26 settings
- **Customize Setting** allows both users and IT administrators to set and restore preferred settings with just one touch, contributing to a free-seating business environment
- **Smart sensing technology** includes ambient light and human sensors, which considerably reduce power consumption by automatically detecting your work conditions and adjusting to the proper display brightness or entering Power Saving Mode
- **Carbon footprint meter** helps track and calculate the reduction of green gas emissions, while the resettable cost meter (via On Screen Display) indicates electricity cost savings based on currency settings
- **NaViSet™ software** offers an intuitive graphical interface, allowing for easy adjustment of display settings via mouse and keyboard. NaViSet Administrator provides all the advanced control to remotely located IT professionals.
- **EPEAT Silver/Gold compliance** ensures the displays reduce hazardous waste and electricity usage, resulting in lower energy costs and increased protection for the environment
- **ENERGY STAR® compliance** reduces electrical costs and lowers total cost of ownership

## Specifications for MultiSync EA224WMi/EA223WM/EA234WMi/EA243WM/EA244WMi/EA273WM/EA294WMi

| MODEL | EA224WMi | EA223WM | EA234WMi | EA243WM | EA244WMi | EA273WM | EA294WMi |
|---|---|---|---|---|---|---|---|
| **DISPLAY** | | | | | | | |
| Panel Technology | IPS | TN | IPS | TN | IPS | TN | IPS |
| Backlight Type | W-LED | | | | | | |
| Viewable Image Size | 21.5" | 22" | 23" | 24" | | 27" | 29" |
| Aspect Ratio | 16:9 | 16:10 | 16:9 | 16:10 | | 16:9 | 21:9 |
| Native Resolution | 1920 x 1080 | 1680 x 1050 | 1920 x 1080 | 1920 x 1200 | | 1920 x 1080 | 2560 x 1080 |
| Pixel Pitch | 0.248mm | 0.282mm | 0.267m | 0.27mm | | 0.311mm | 0.262mm |
| Pixels Per Inch | 102 @ native resolution | 90 @ native resolution | 96 @ native resolution | 94 @ native resolution | | 82 @ native resolution | 97 @ native resolution |
| Brightness (typical) | 250 cd/m² | | | | 350 cd/m² | 300 cd/m² | |
| Contrast Ratio (typical) | 1000:1 (25,000: dynamic) | | | | | | |
| Viewing Angle (typical) | 178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10 | 160° Vert., 170° Hor. (80U/80D/5L/85R) @ CR>10 | 178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10 | 160° Vert., 170° Hor. (80U/80D/85L/85R) @ CR>10 | 178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10 | 160° Vert., 160° Hor. (80U/80D/80L/80R) @ CR>10 | 178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10 |
| Response Time (typical) | 6ms (with overdrive) | 5ms | 6ms | 5ms | | | 6ms |
| Displayable Colors | More than 16.7 million | | | | | | |
| **Synchronization Range** | | | | | | | |
| Horizontal (Analog/Digital) | 31.5-83 kHz | 31.5-82.3 kHz | 31.5-83 kHz | 31.5-77 kHz | | 31.5-83 kHz | |
| Vertical | 56-75 Hz | | | 56-60 Hz | | 56-75 Hz | |
| **Input Signal** | | | | | | | |
| Video | Analog RGB 0.7 Vp-p/75 Ohms | | | | | | |
| Sync | Separate Sync: TTL Level (Positive/Negative); Composite Sync: TTL Level (Positive/Negative); Composite Sync on Green: (0.3Vp-p negative 0.7Vp-p positive) | | | | | | |
| Input Connectors | DisplayPort, HDMI, DVI-D, VGA 15-pin D-sub | DisplayPort, DVI-D, VGA 15-pin D-sub | DisplayPort, HDMI, DVI-D, VGA 15-pin D-sub | | | | VGA 15-pin D-Sub (2), DVI-D (2), DisplayPort, HDMI / MHL |
| **POWER CONSUMPTION** | | | | | | | |
| On (typical) | 26W | 25W | 27W | 29W | | 39W | 50w |
| Power Savings Mode (typical) | 0.43W | 0.4W | 0.41W | 0.48W | 0.47W | 0.48W | 0.8W |
| **PHYSICAL SPECIFICATIONS** | | | | | | | |
| **Dimensions (WxHxD)** | | | | | | | |
| Net (with stand) | 20 x 14.6-19.7 x 8.6 in. / 507.4 x 370.2-500.2 x 218mm | 19.8 x 15.1-20.2 x 8.6 in. / 503.5 x 384-514 x 218mm | 21.4 x 15.0-20.1 x 8.7 in. / 543.8 x 380.4-510.4 x 218mm | 21.9 x 16.1-21.2 x 9.1 in. / 556.2 x 408.9-538.9 x 230mm | | 24.9 x 16.3-21.5 x 9.1in / 631.4 x 415-545 x 230mm | 27.8 x 16.2-21.3 x 9.1 in. / 705.8 x 410.4- 540.4 x 230mm |
| Net (without stand) | 20 x 11.9 x 2.4 in. / 507.4 x 301.1 x 60.5mm | 19.8 x 13 x 2.4 in. / 503.5 x 329.7 x 60.5mm | 21.4 x 12.7 x 2.4 in. / 543.8 x 321.6 x 60.5mm | 21.9 x 14.2 x 2.5 in. / 556.2 x 359.6 x 63.8mm | | 24.9 x 14.6 x 2.5 in. / 631.4 x 371.8 x 63.8mm | 27.8 x 12.7 x 2.7 in. / 705.8 x 321.8 x 69.1mm |
| **Weight** | | | | | | | |
| Net (with stand) | 13.2 lbs. / 6 kg | 12.3 lbs. / 5.6 kg | 14.1 lbs. / 6.4 kg | 15.4 lbs. / 7 kg | 16.8 lbs. / 7 kg | 15.9 lbs. / 7.2 kg | 21.2 lbs. / 9.6 kg |
| Net (without stand) | 8.2 lbs. / 3.7 kg | 7.3 lbs. /3.3 kg | 8.8 lbs. / 4.0 kg | 9 lbs. / 4.1 kg | 10.6 lbs. / 4.8 kg | 9.5 lbs. / 4.3 kg | 14.6Lbs. / 6.6 kg |
| VESA Hole Configuration | 100 x 100mm | | | | | | |
| **ENVIRONMENTAL CONDITIONS** | | | | | | | |
| Operating Temperature | 41-95°F / 5-35°C | | | | | | |
| Operating Humidity | 20 - 80% | | | | | | |
| Operating Altitude | 6562 ft. / 2000m | | | | | | 10,000 ft. / 3048m |
| Storage Temperature | 14-140°F / -10-60°C | | | | | | |
| Storage Humidity | 10-85% | | | | | | |
| Storage Altitude | 40,000 ft. / 12,192m | | | | | | |
| **ENVIRONMENTAL COMPLIANCE** | | | | | | | |
| ENERGY STAR | 5.1 | | 6.0 | 5.1 | 6.0 | 5.0 | 5.1 |
| TCO | 5.2 | | Edge 1.2 | 5.2 | 6.0 | 5.1 | 5.0 |
| EPEAT | Gold | Silver | Gold | | | | |
| RoHS | Yes | | | | | | |
| **LIMITED WARRANTY** | 3 years parts and labor, including backlight* | | | | | | |
| **ADDITIONAL FEATURES** | Tilt; Swivel; Pivot; Height-adjustable stand; ControlSync; Customize Setting; Integrated speakers; 4-port USB hub; LED backlit; Auto brightness with ambient light sensor; Human sensor; ECO Mode; Carbon footprint meter; Resettable cost meter; Thin frame; Carrying handle; Rapid Response; Ambix; XtraView; Hot Key; Touch OSD controls; OSD Lock Out; Cable management; Dynamic Visual Mode (Standard, Text, Movie, Gaming, Photo, Dynamic); NaViSet software; VESA mount; HDCP; DDC/CI; No Touch Auto Adjust; Plug and Play (VESA DDC2B); VESA DPMS power management; AccuColor color control; Digital smoothing; Digital controls; ISO 9241-307 Class I; DICOM SIM for IPS models | | | | | | |
| **SHIPS WITH** | Setup sheet; User manual; Power cord; 15-pin D-sub cable; DVI-D cable; USB cable; Audio cable; ControlSync cable | | | | | | |

* Warranty restrictions apply. Contact your representative for details.

**Touch-sensitive OSD controls**



**Comprehensive input panel (select models)**

**4-way adjustable stand**

**Thin, lightweight design with integrated/hidden speakers**

**USB 2.0 hub**

**Ambient and human sensors**

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